



Energy Efficiency



Resource Efficiency



Climate Protection



Air Quality

Your Guide to Sustainable Flooring



Innovation & Consistency | since 1910

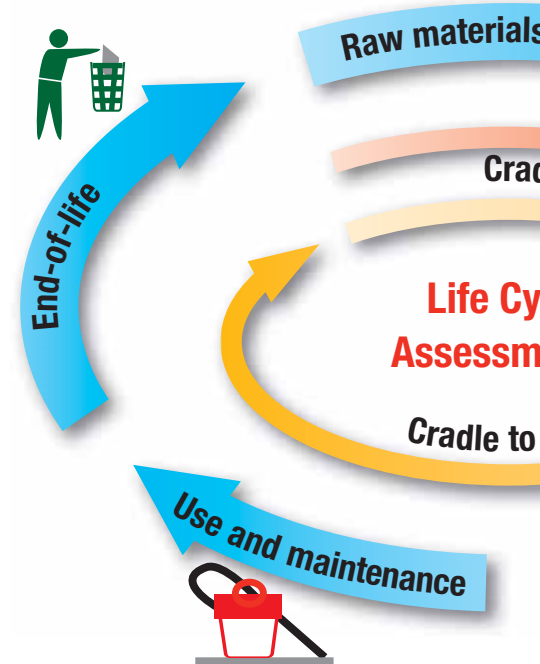
How Can Sika Flooring Systems Contribute to Sustainable Construction

Specifying Sika Flooring Systems Contributes to Green Building Certification

Sika flooring systems contribute to multiple points in Green Building Certification systems. This is because:



- Low VOC emitting **Sikafloor**® systems provide LEED points and improve the indoor air quality
- Underfoot comfort and noise reduction with **Sika**® **ComfortFloor**® Pro systems improves the Building Acoustics in programs such as the French HQE and the German DGNB
- Visual design effects and aesthetics with an unlimited choice of colour can be achieved with the liquid applied **Sikafloor**® systems



Select Sika Flooring Systems to Reduce Your Floors Life Cycle Cost

Sikafloor® system can be maintained at lower cost with “on-site” refurbishment techniques.

- Over-coating with a fully compatible refresher coat (e.g. **Sikafloor**®-264, **Sikafloor**®-305 W etc.)
- Regeneration of smooth **Sikafloor**® systems with diamond grinding pads
- By using these techniques, you extend the life of the floor and further reduce the Carbon Footprint
- A fully bonded **Sikafloor**® system is the basis for long lasting floors with only intermediate re-coating required for maintenance operations
- **Sika**® **ComfortFloor**® systems can also be over-coated and given a facelift to effectively give them a second life without losing your original investment



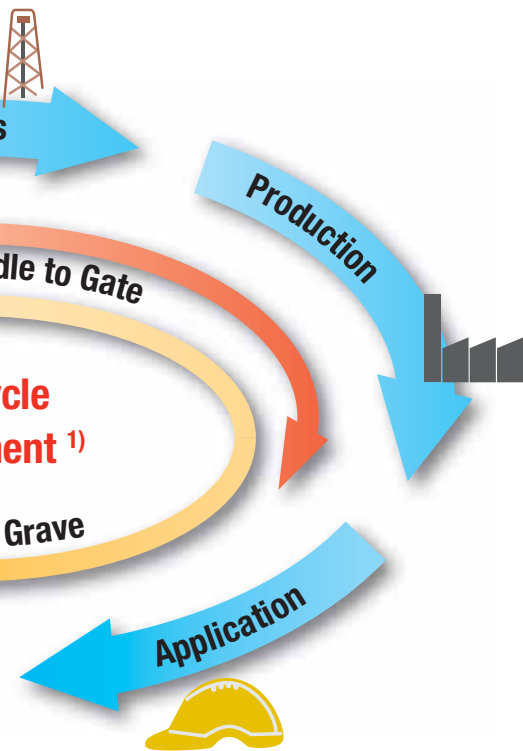
Design an Industrial Floor That Will Last

Sikafloor® **PurCem**® uses hybrid polyurethane flooring technology that shows the lowest environmental impact compared to any other flooring polymer:

- The lowest Carbon Footprint per kg in the production
- Higher resistance to chemical, mechanical and thermal attack
- Longer lasting flooring systems that further reduce the Carbon Footprint
- Seamless surfaces that require less cleaning and maintenance which therefore requires less energy and less cleaning materials



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Evaluate the Sustainability of Your Flooring with Life Cycle Assessment

¹⁾ Life Cycle Assessment (LCA) is a standardized method to assess and compare the inputs, outputs and potential environmental impact of products and services over their whole life cycle. It is also the basis on which Sika develops and evaluates the environmental performance of our flooring solutions:

- **Sikafloor**[®] LCA's are available for flooring systems in accordance with ISO 14040 and EN 15804 the Standards.
- The LCA's for **Sikafloor**[®] systems have been independently reviewed and approved by the Swiss Federal Laboratories for Materials Science and Technology (EMPA).
- Tailor-made LCA's can also be calculated for specific projects, where the **Sikafloor**[®] system build-up and thickness is adapted to the specific requirements of the project – for further information, please contact your local Sika organization



Install Sikafloor[®] Systems That Respect Your Indoor Air Quality

Many people now spend more than 80% of their time in indoor environments: home, office, factory, retail, leisure, education and transportation. There are various initiatives around the globe to reduce VOC emissions from building materials and improve the indoor air quality. These VOC's (Volatile Organic Compounds) have been identified as having potential long term health impact and an adverse effect on the environment.

- For public buildings, the complete **Sika**[®] **ComfortFloor**[®] range complies with the most stringent standards with regard to controlling the emission of VOC's including from:
 - Germany: Germany: DiBt/AgBB
 - France: legal labelling AFFSET
 - Finland: M1
 - USA: California CDPH "Section 01350"

A complete list of the specifically tested **Sikafloor**[®] systems and their approvals are available from your Sika local organization.



Select an Approved Sikafloor[®] "Cleanroom Suitable Material"

Sika provides a range of flooring systems that are specifically tested and approved as 'Cleanroom Suitable Materials'



- These **Sikafloor**[®] systems comply with demanding requirements with regards to:
 - VOC emissions
 - Airborne Molecular Contaminants (AMC) emissions
 - Particulate emissions
- The carbon footprint of a Sikafloor 'Clean Room Suitable' system, such as **Sikafloor**[®]-269 CR, is lower than an equivalent PVC Safety Floor System (including its levelling compound and adhesive) and has the additional advantages of being:
 - Seamless – with no joints and no welding
 - Monolithic with the concrete substrate – with no possibility of underflow

How Can I Contribute to Sustainable Construction?

You Can Contribute to Sustainable Construction by:

- Choosing flooring systems that use less energy and natural resources
- Selecting flooring systems with a low Global Warming Potential (GWP) – thereby reducing the Carbon Footprint of your building
- Investing in highly durable, proven long-lasting flooring systems – saving energy and resources as well as cost over the life of a building

Find the technical background:

- Introduction to Life Cycle Assessment (LCA) and environmental impact categories
- LCA results for popular flooring systems
- Case studies for a public building (library), industrial floor (food industry), car park, improved indoor air quality, regeneration & refurbishment of **Sikafloor®**, plus a clean room
- VOC Content and VOC Emissions from flooring systems
- An overview of Green Building Certification programs



Select Sustainable Sika Flooring Solutions:



Energy efficiency solutions

Sikafloor® PurCem® solutions for food industry, **Sikafloor®** car park deck solutions, **Sikafloor®-269 CR** cleanroom solution



Resource efficiency solutions

Sikafloor® solutions, especially **Sikafloor®** car park deck solutions



Climate protection solutions

Sikafloor®-269, **Sikafloor® PurCem®** solutions, **Sika® ComfortFloor®** solutions



Air quality solutions

Sikafloor® solutions for manufacturing industry, **Sikafloor®** VOC free solutions, **Sika® ComfortFloor®**, **Sikafloor®-269 CR** cleanroom solution

Further Information on Sustainability

The link below opens the Sika Corporate Sustainability webpage. It gives you access to a lot of additional information on Sika and sustainability, including our partnerships and initiatives, the environment, health & safety, plus much more.

www.sika.com/en/group/sustainability.html



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